

Meeting Summary

LTMS MMP Meeting of February 28, 2000

1. Agenda for 2/28/00

- a. Introductions
- b. Quantitative Criteria
 - i) Physical & Chemical
 - ii) Benthos
 - iii) Wildlife
- c. Prioritization (not completed)
- d. Status of Alcatraz Mound Studies
- e. Wrapup

2. Action Items for 2/28/00

- a. Subgroups meet to discuss measurements of criteria
- b. Report on Alcatraz mounding status

3. New Action Items

- a. Compile and present current costs for monitoring - David and Larry
 - i) Typical costs[by project (or by sample)] - minimum and maximum (e.g. small, dirty project)
 - ii) Total annual costs for all dredgers
- b. Reformat table of Quantitative Criteria Measurements - Jack
[to reflect two types of measurements: project specific and disposal site specific.]
- c. Agencies identify our areas of concern to be evaluated with any recommended monitoring plan
 - i) BCDC-sensitive areas, tidepools
 - ii) Cal F&G-maintain diversity of habitat
 - iii) RWQCB-[size of the footprint, conversion of habitat, residual effects of historical disposal]
- d. Fill in Quantitative Criteria Table with Benthic monitoring measurements after the table has been reformatted-Joe
- e. Answer the question: How many areas [and what proportion?] of the Bay have habitat similar to Alcatraz [similar to the middle of Central Bay, ie. high currents, sandy or rocky substrate] and are not used for dredged material disposal? - Glynnis and Becky

4. Physical and Chemical measurements - Jack and Larry

- a. Area of footprint
 - i) Alcatraz mainly
 - ii) Can we measure the fringe?
 - iii) What is the history (of the fringe?)
 - iv) Measure with sediment profile camera or side scan sonar?
 - v) Is "substrate" included in the area of the footprint
 - vi) "Consistency" outside of the footprint: how do we monitor for sediment characteristics outside of the footprint to evaluate whether dispersive disposal is not changing the sediment grain size outside of the foot print
- b. New measurement: density or erodibility or ??

- c. Clarify the table so that we evaluate a measurement regarding "permit compliance" and "compliance the environmental criteria" separately.
- d. Bathymetry surveys
 - i) Is 500' beyond the disposal site or beyond the mound the appropriate size of the survey grid?
 - ii) Can bathymetric data be used to decide on more intensive sampling (i.e. tiered plan)?
 - .1. Growth of the footprint would dictate more intensive monitoring
 - .2. Shrinking of the footprint would dictate less intensive monitoring

1. Benthic Monitoring - Joe Germano

- a. Other factors need to be considered
 - i) Timeliness of the data
 - ii) Usefulness of the parameter
 - iii) Link to management decisions
- b. Consider a pilot test to determine usefulness [so that scope of the sampling can be tailored to the questions that need to be answered]
- c. Consider Tiered Monitoring Plan
- d. Decide where you monitor [e.g. sample locations to define the "fringe" should be guided by bathymetric data and not be random or on a regular grid]
- e. Link physical data to biological
- f. Consider a survey to determine what benthic organisms are present and what are the most sensitive organisms present.

2. Wildlife

- a. Mainly focused on fish and bird impacts
 - i) Contaminants in fish and bird tissues
 - ii) Species impacted by using the site
 - iii) Diversity and productivity
- b. What could be measured?
- c. What can you relate to the disposal sites?
- d. How many areas [and what proportion?] of the Bay have habitat similar to Alcatraz [similar to the middle of Central Bay, ie. high currents, sandy or rocky substrate] and are not used for dredged material disposal?

3. Status of Alcatraz Mounding studies

- a. Corps and RWQCB are continuing to evaluate what happened.

4. New Action Items

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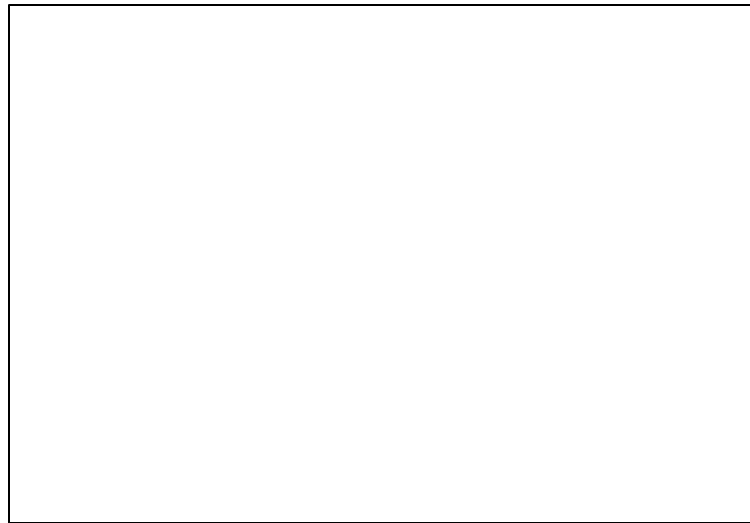
5. Question: Is the shoaling east of Alcatraz Island caused by dredged material disposal at the Alcatraz DMDS

6. Wrapup

- a. Positive: Good room
- b. Change: Room too cold,
- c. Change: Need Barbara Salzman and the Ports to attend

7. Next Meeting - March 20th, Monday 1:30-4:00 at RWQCB

- a. Potential topics:
 - i) How are we progressing with our plan.
 - ii) What do we need to monitor to evaluate impacts to wildlife
 - iii) Can we measure impacts to the diversity of habitat
 - iv) Evaluation of benthic measurements using the factors developed at the January meeting (and as modified in the Quantitative Criteria Table).



Volume